US 60 PROJECT -AREA BASELINE ROAD GUADALUPE ROAD **VICINITY MAP**

TOWN OF GILBERT IMPROVEMENT PLANS FOR CONSOLIDATED CANAL BRIDGE REPAIRS PROJECT No. ST156



BENCHMARKS

BM - SE COR SEC 31 T1N,R6E BRASS CAP IN HAND HOLE AT THE INTERSECTION OF LINDSAY ROAD AND BASELINE ROAD ELEV=1244.34 (T.O.G. DATUM = NAVD 88)

BM - N 1/4 COR SEC 5 T1S,R6E BRASS CAP IN HAND HOLE AT THE INTERSECTION OF NIELSON STREET AND BASELINE ROAD ELEV=1249.22 (T.O.G. DATUM = NAVD 88)

UTILITY AND AGENCY CONTACT LIST					
WATER					
RECLAIMED WATER	TOWN OF GILBERT	DAVID MUNOZ	(480) 503-6084		
SANITARY SEWER					
WATER					
RECLAIMED WATER	CITY OF MESA	GILBERT MONTEZ	(480) 644-4277		
SANITARY SEWER	9				
ELECTRIC – TRANSMISSION		ELIJAH LUBANDI	(602) 236-3794		
ELECTRIC-DISTRIBUTION	SALT RIVER PROJECT	JACOB PATTERSON	(602) 236-6230		
WATER ENGINEERING		SUSAN ORTEGA	(602) 236-5799		
GAS	SOUTHWEST GAS	GENE FLOREZ	(480) 730-3841		
TELEPHONE/FO COMMUNICATION	CENTURYLINK	IAN HOLMES	(480) 768-4588		
CATV/FO	COX COMMUNICATIONS	KEN DEGRAFFENREID	(623) 328-3423		
IRRIGATION	VAL VISTA LAKES COMMUNITY ASSOC.	RICHARD ANDREWS	(480) 926-9694		

MAYOR

JOHN W. LEWIS

VICE MAYOR

EDDIE COOK

TOWN COUNCIL

BEN COOPER JARED TAYLOR **JENN DANIELS JORDAN RAY VICTOR PETERSON**

TOWN ENGINEER

GREG SMITH, P.E.

APPROVALS

AS-BUILT CERTIFICATION

SIGNATURE:

SHEET INDEX

COVER SHEET

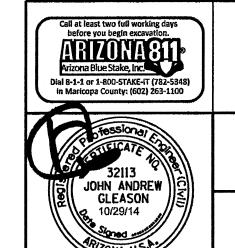
LEGEND & NOTES

GENERAL PLAN & ELEVATION

TYPICAL SECTION, NOTES & QUANTITIES CONSTRUCTION STAGING

DECK PLAN & DETAILS

MISCELLANEOUS DETAILS PAVEMENT MARKING PLAN



CONSOLIDATED CANAL BRIDGE REPAIRS STR. NO. 9118

COVER SHEET

C-1

DESIGNED BY JAG DRAWN BY JMC CHECKED BY

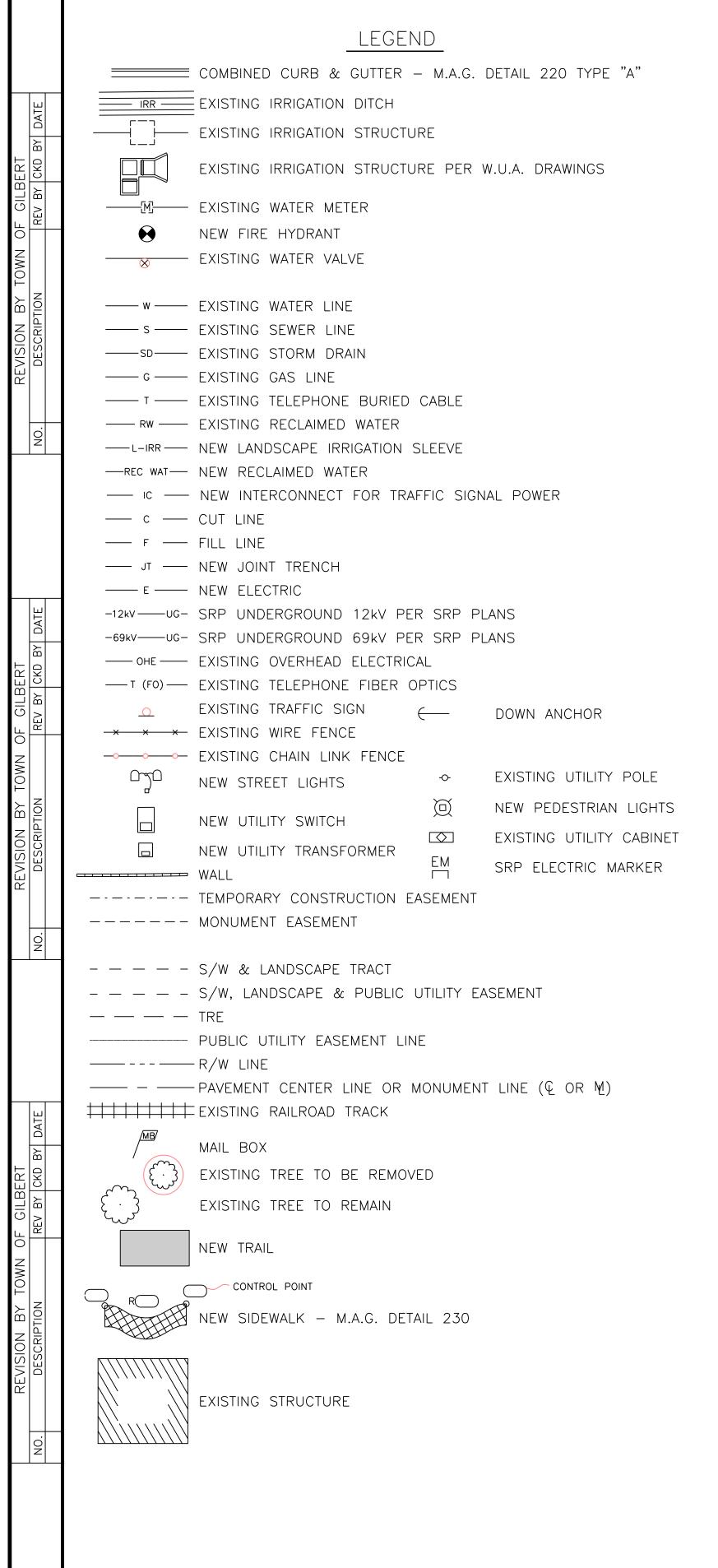
Expires 12/31/2015

GILBERT PROJECT NO. ST156

DRAWING NO.

SHT 1 OF 9

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TOWN OF GILBERT PAVING NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT M.A.G. SPECIFICATIONS AND DETAILS (LATEST REVISION); THE TOWN OF GILBERT STANDARD DETAILS (LATEST REVISION); AND TOWN OF GILBERT UNIFIED LAND DEVELOPMENT CODE (LATEST REVISION).
- 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION. THE TOWN ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO STARTING THE DIFFERENT PHASES OF CONSTRUCTION FOR SCHEDULING INSPECTIONS.
- ACCEPTANCE OF THE COMPLETED RIGHT-OF-WAY IMPROVEMENTS WILL NOT BE GIVEN UNTIL FOUR (4) MIL MYLAR REPRODUCIBLE "AS-BUILT" PLANS HAVE BEEN SUBMITTED TO AND APPROVED BY THE TOWN ENGINEER.
- LOCATION OF ALL WATER VALVES MUST BE REFERENCED AT ALL TIMES DURING CONSTRUCTION AND MADE AVAILABLE TO THE WATER DISTRIBUTION DIVISION. ONLY TOWN EMPLOYEES ARE AUTHORIZED TO OPERATE THE WATER VALVES AND FIRE HYDRANT CONNECTIONS TO THE TOWN'S WATER SYSTEM.
- 5. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY PRISM ARE COMPLETED.
- 6. WORK PERFORMED WITHOUT APPROVAL OF THE TOWN ENGINEER AND/OR ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- 7. THE MAXIMUM STAKE INTERVAL FOR GRADES OF 0.2% OR LESS SHALL BE 12.5 FEET FOR CONCRETE WORK AND 25 FEET FOR ASPHALT ROADWAY SECTION. ALL CURB RETURNS SHALL BE STAKED FOR THE P.C., P.T. AND THE MIDPOINT OF RETURN.
- 8. BASE COURSE WILL NOT BE PLACED ON SUBGRADE UNTIL BASE REQUIREMENTS HAVE BEEN COMPLETED AND ACCEPTED BY THE TOWN ENGINEER.
- GUTTERS WILL BE WATER TESTED IN THE PRESENCE OF THE TOWN ENGINEER OR HIS AUTHORIZED REPRESENTATIVE TO ENSURE PROPER DRAINAGE, PRIOR TO FINAL APPROVAL BY THE TOWN ENGINEER.
- 10. EXACT POINT OF MATCHING, TERMINATION AND OVERLAY, IF NECESSARY, MAY BE DETERMINED IN THE FIELD BY THE TOWN ENGINEER.
- 11. NO JOB WILL BE CONSIDERED COMPLETED UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS AND ALL SURVEY MONUMENTS ARE INSTALLED, PUNCHED AND DATED ACCORDING TO THE PLANS.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL VALVES, MANHOLES AND BLOW OFFS IN ADVANCE OF CONSTRUCTION AND REPLACING SAME TO FINISHED
- 13. THE TOWN OF GILBERT IS NOT RESPONSIBLE FOR LIABILITY ACCRUED DUE TO DELAYS AND/OR DAMAGE TO UTILITIES IN CONJUNCTION WITH THIS CONSTRUCTION. ALSO, THE TOWN WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION.
- 14. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH M.A.G. SPECIFICATION 401, AND THE 2003 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES HANDBOOK. ALL TRAFFIC CONTROLS, INCLUDING STRIPING AND REQUIRED SIGNAGE, SHALL BE INSTALLED WITHIN ONE (1) WEEK OF THE INSTALLATION OF THE "FIRST LIFT" OF PAVING.

15. TESTING

- TESTING OF MATERIALS AND CONSTRUCTION PERFORMANCE BY AN APPROVED TESTING LAB IS REQUIRED.
- THE TOWN INSPECTOR WILL DETERMINE THE NUMBER AND TYPE OF TESTS
- THE CONTRACTOR WILL NOTIFY THE TESTING LAB OF THE NEEDED TESTS, COORDINATE WITH THE INSPECTOR AND TESTING LAB AND PAY THE COSTS TO PERFORM THE TESTS.
- 16. ORDINANCE #1437, APPROVED BY THE TOWN COUNCIL IN OCTOBER 2002, STATES: NO CONSTRUCTION WATER FROM FIRE HYDRANTS SHALL BE USED ON PARCELS OR LOTS OF TEN ACRES OR MORE IN SIZE. FOR MORE INFORMATION, THE ORDINANCE IS LOCATED ON THE TOWN OF GILBERT WEBSITE AT: www.ci.gilbert.az.us.

TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR IS REQUIRED TO MAKE APPLICATION WITH THE PUBLIC WORKS WATER DIVISION. A SECURITY DEPOSIT IS REQUIRED TO RECEIVE A FIRE HYDRANT METER. THE TOWN RESERVES THE RIGHT TO SPECIFY THE TIME AND LOCATION THAT CONSTRUCTION WATER CAN BE DELIVERED.

- 17. ALL FLOOD RETENTION BASIN DEVELOPMENT AND INSTALLATIONS MUST BE COMPLETED AND ACCEPTED BEFORE THE PAVING PERMIT WILL BE ISSUED FOR THE SUBDIVISION.
- 18. PRIOR TO THE FINAL APPROVAL AND ACCEPTANCE OF THE WORK, THE CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT (OFF-PROJECT) ROADWAYS USED DURING THE COURSE OF THEIR CONSTRUCTION.
- 19. USE OF "RECLAIMED ASPHALT" IS PROHIBITED UNLESS APPROVED BY THE TOWN ENGINEER.

- 20. GRINDING AND/OR EPOXY PATCHING OF CURBS-GUTTERS-APRONS-VALLEY GUTTERS-DRIVEWAYS-SCUPPERS-MANHOLE BASES AND INVERTS OR ANY CONCRETE STRUCTURE TO CORRECT DEFICIENCIES THAT RESULT FROM IMPROPER GRADE SETTING, OR CONSTRUCTION METHODS, OR BREAKAGE DUE TO ANY CIRCUMSTANCES SHALL NOT BE PERMITTED.
- 21. ALL METALLIC MATERIALS INCLUDING INLETS, GRATES, FRAMES, COVERS AND CATCH BASINS SHALL BE PAINTED PER M.A.G. SPECIFICATION NO. 790, PAINT NO. 9 (LIGHT GRAY), UNLESS SPECIFIED OTHERWISE ON THE PROJECT CONSTRUCTION DOCUMENTS.
- 22. PARKWAY GRADING SHALL BE DESIGNED TO INSURE THAT RUNOFF CANNOT BE RETAINED BEHIND CURBS OR WALKS.
- 23. ALL PARKWAY GRADING MUST BE COMPLETED BEFORE ANY PAVING MAY BEGIN.
- 24. ALL SIGNS SHALL BE INSTALLED PER TOWN OF GILBERT DETAIL 79.
- 25. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CURB AND GUTTER WHICH FAILS GUTTER FLOW TEST.
- 26. CONTRACTOR SHALL SUBMIT PAVING ASPHALT DESIGN MIX (PER E.V.A.C.) TO TOWN OF GILBERT PRIOR TO PLACEMENT.
- 27. ALL CURB RETURNS SHALL BE VERTICAL CURB AND GUTTER. SEE PLANS FOR CURB HEIGHT.
- 28. SUBGRADE MUST MEET ALL TOWN OF GILBERT TESTING REQUIREMENTS AND HAVE APPROVAL OF THE ENGINEERING DEPARTMENT 24 HOURS PRIOR TO PLACING BASE COURSE MATERIAL. STOCKPILING OF BASE MATERIAL ON THE SUBGRADE WILL NOT BE PERMITTED. THE FINISHED BASE COURSE MATERIAL MUST MEET ALL TOWN OF GILBERT TESTING REQUIREMENTS AND HAVE APPROVAL OF THE ENGINEERING DEPARTMENT 24 HOURS PRIOR TO PLACEMENT OF ASPHALT.
- 29. ALL SUBGRADE MUST MEET ALL TOWN OF GILBERT TESTING REQUIREMENTS AND HAVE APPROVAL OF THE ENGINEERING DEPARTMENT 24 HOURS PRIOR TO CONSTRUCTING ANY APRONS, SCUPPERS, THRUST BLOCKS, MANHOLES, MANHOLE BASES, DRIVEWAYS, DRIVEWAY ENTRANCES, RIBBON CURBS AND INLETS.

ENGINEERS NOTES

- 1. ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO AND THE SOILS REPORT PREPARED BY RAMM. PROJECT NO. G14866, DATED OCTOBER 3, 2007, AND SUBSEQUENT ADDENDUM PROJECT NO. G14866/G15714, DATED APRIL 10, 2008.
- THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.
- 3. DURING CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO PERFORM DAILY CLEAN-UP AND MAINTENANCE OF ALL ADJACENT (OFF-SITE) ROADWAYS AND FINISHED ONSITE AREAS USED DURING THE COURSE OF THIS CONSTRUCTION.
- 4. COORDINATION WITH OTHER ADJACENT PROJECTS IS REQUIRED.

NON-STANDARD ABBREVIATIONS

BL	BIKE LANE	OHE	OVERHEAD ELECTRIC
ВС	BRASS CAP	OHP	OVERHEAD POWER POLE
CATV	CABLE TELEVISION	PVMT	PAVEMENT
Ç	CENTERLINE	PTE	POTHOLE TOP ELEVATION
СОМ	CITY OF MESA	PUE	PUBLIC UTILITY EASEMENT
CP	CONTROL POINT	R	RANGE
COX	COX COMMUNICATIONS	RWCD	ROOSEVELT WATER
DG	DECOMPOSED GRANITE		CONSERVATION DISTRICT
DWG	DRAWING	SRP	SALT RIVER PROJECT
DWY	DRIVEWAY	SEC	SECTION
EVAC	EAST VALLEY ASPHALT	S/W	SIDEWALK
	COMMITTEE	SWG	SOUTHWEST GAS
ELECT	ELECTRIC	STL	STEEL
EM	ELECTRONIC MARKER	STR SCT	STRUCTURAL SECTION
FO	FIBER OPTIC	TEL	TELEPHONE
Р	FINISHED PVMT ELEV	TCE	TEMPORARY CONSTRUCTIO
G	GUTTER		EASEMENT
GB	GRADE BREAK	TRE	TEMPORARY RETENTION
HH	HAND HOLE		EASEMENT
IC	INTER-CONNECT	TE	TOP ELEVATION
IRR	IRRIGATION	TC	TOP OF CURB
JT	JOINT TRENCH	T.O.G.	TOWN OF GILBERT
MED	MEDIAN	Т	TOWNSHIP
NPI	NON-PAY ITEM	VAR	VARIES



GILBERT PROJECT NO. DRAWN BY DES ST156 JMC CHECKED BY SHT 2 OF 9 DRAWING NO. C-2

DESIGNED BY JAG

TOWN OF GILBERT GENERAL NOTES

- 1. ALL DESIGN AND CONSTRUCTION MUST BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS AND DETAILS PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AS AMENDED BY THE TOWN OF GILBERT (LATEST REVISION).
- 2. THE CONTRACTOR SHALL NOTIFY THE TOWN OF GILBERT ENGINEERING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR INSPECTION. CALL (480) 503-6847.
- 3. PLACEMENT OF DRIVEWAYS SHALL NOT BE IN CONFLICT WITH UTILITY SERVICES.
- 4. CONTRACTOR SHALL COORDINATE RELOCATION OF POWER POLES AND OTHER UTILITIES.
- 5. CONTRACTOR TO ADJUST ALL VALVES, MANHOLES, CLEANOUTS, ETC,. BOTH NEW AND OLD TO FINISH PAVEMENT GRADE PER STANDARD DETAILS.
- 6. ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES AND HAS TRANSFERRED ALL EXISTING, AND/OR PROPOSED UTILITY LINES AND RELATED INFORMATION ONTO THESE PLANS. AND THAT HE HAS ALSO CORRECTLY PLOTTED THE EXISTING AND PROPOSED RIGHT-OF-WAY FASEMENT LINES.
- 7. ALL IMPROVEMENTS WITHIN THE RETENTION BASIN AND/OR ROADWAY PARKWAYS SHALL BE IN ACCORDANCE WITH THE LATEST TOWN OF GILBERT PROCEDURES FOR DEVELOPERS AND ENGINEERS.
- 8. CONTRACTOR IS ADVISED THAT AN EXCAVATION AND DIRT MOVING PERMIT IS REQUIRED BY THE MARICOPA COUNTY HEALTH DEPARTMENT AND THE TOWN OF GILBERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THIS PERMIT AND COMPLY WITH ITS REQUIREMENTS.
- 9. ALL LANDSCAPING SHALL COMPLY WITH TOWN OF GILBERT STANDARD DETAIL 92 OR 93 (WHICHEVER IS APPLICABLE) AT TIME OF INSTALLATION. ALL SPRINKLER AND LANDSCAPE WORK MUST BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE TOWN OF GILBERT PROCEDURE MANUAL.
- 10. NO WALLS, BUILDINGS, OR OBSTRUCTIONS TO VIEW IN EXCESS OF TWO (2) FEET IN HEIGHT SHALL BE PLACED ON ANY CORNER LOT WITHIN A TRIANGULAR AREA FORMED BY THE CURB LINES AND A LINE CONNECTING THEM AT POINTS 33 FEET FROM THE INTERSECTION OF THE CURB LINES. TREES MAY BE LOCATED WITHIN THE TRIANGLE PROVIDED THEY ARE PRUNED HIGH ENOUGH (7 FOOT MIN.) TO PERMIT UNOBSTRUCTED VIEW. SEE TOWN OF GILBERT STANDARD DETAIL 92.
- 11. ALL RETENTION BASINS MUST DRAIN ANY STORM EVENT UP TO AND INCLUDING THE 50-YEAR 24-HOUR STORM WITHIN 36 HOURS. OWNER(S) OF ANY BASIN FAILING TO MEET THIS REQUIREMENT MUST TAKE CORRECTIVE ACTION TO BRING THE BASIN INTO COMPLIANCE.
- 12. CALL THE BLUE STAKE CENTER (263-1100) 48 HOURS BEFORE YOU DIG FOR LOCATION OF UNDERGROUND UTILITIES.
- 13. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED ALONG WITH A TRAFFIC CONTROL PLAN APPLICATION AND PERMIT APPLICATION AT LEAST 48 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION ACTIVITIES.
- 14. EXCAVATION AND CONSTRUCTION WORK WILL NOT BE PERMITTED IN PUBLIC RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENTS ON SATURDAY, SUNDAY, OR LEGAL HOLIDAYS UNLESS APPROVED BY THE TOWN ENGINEER.
- 15. PERMITS ARE REQUIRED FOR THE FOLLOWING: TRAFFIC SIGNAL INSTALLATION; TRAFFIC SIGNAL INTERCONNECT: SIGNING: PERMANENT MARKERS: AND TEMPORARY TRAFFIC CONTROL.

PAVEMENT MARKING GENERAL NOTES:

- 1. ALL PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE 2002 ADOT SIGNING AND MARKING STANDARD DRAWINGS AND SPECIFICATIONS AND THE 2003 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE 2004 ADOT SUPPLEMENT TO THE MUTCD AND AS MODIFIED FOR THE TOWN OF GILBERT.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PERMANENT PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE. FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 25 FEET APART ALONG THE LINES TO BE STRIPED.
- 3. THE DIMENSIONS SHOWN TO PAVEMENT STRIPING ARE TO THE CENTER OF THE STRIPING OR IN THE CASE OF DOUBLE STRIPING TO THE CENTER OF THE DOUBLE STRIPING.
- 4. ALL THERMOPLASTIC REFLECTORIZED MARKING SHALL BE IN ACCORDANCE WITH SECTION 704 OF THE ADOT STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE ENGINEER, BY SWEEPING AND AIR-JET BLOWING IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE ROADWAY SURFACE SHALL BE DRY AND THE AIR AND PAVEMENT TEMPERATURES SHALL NOT BE LESS THAN 50°F FOR THE PLACEMENT OF THERMOPLASTIC STRIPING, AND SHALL NOT BE LESS THAN 60°F FOR THE INSTALLATION OF TAPE.
- 6. ALL STRIPING DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- 7. THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY AND NOT TO SCALE. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS AND DETAILS WHEN INSTALLING PAVEMENT MARKINGS.
- 8. THE PERMANENT PAVEMENT MARKING PLANS MAY BE MODIFIED AS DIRECTED BY THE
- 9. THE CONTRACTOR SHALL SPOT MARK THE ENTIRE PROJECT BEFORE APPLYING ANY PAINT. WHEN THE SPOTTING IS COMPLETE THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING SECTION AT 480-503-6186. TO MAKE ARRANGEMENTS FOR INSPECTION PRIOR TO APPLYING ANY PAINT (3 BUSINESS DAYS ADVANCE NOTICE IS REQUIRED). THE PERMANENT MARKING PLANS MAY BE MODIFIED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REFER ANY QUESTIONS CONCERNING PAVEMENT MARKINGS TO THE TOWN OF GILBERT TRAFFIC ENGINEERING SECTION BY CALLING 480-503-6186.
- 10. ANY STRIPING APPLIED PRIOR TO FIELD INSPECTION BY THE TOWN OF GILBERT TRAFFIC ENGINEERING SECTION SHALL BE REMOVED AND RESTRIPED AT THE CONTRACTOR'S EXPENSE.
- 11. ALL PAVEMENT MARKINGS SHOWN ARE SUBJECT TO CHANGE IN THE FIELD BY THE ENGINEER. AS A RESULT, STRIPING QUANTITIES COULD VARY.
- 12. ALL STRIPING WILL BE APPLIED INITIALLY IN PAINT (TO INCLUDE ALL ITEMS SPECIFIED TO BE APPLIED IN TAPE AND THERMOPLASTIC). THE CONTRACTOR WILL BE REQUIRED TO RE-STRIPE THE ENTIRE PROJECT 30 TO 45 DAYS AFTER INITIAL STRIPING. AT THIS TIME ALL SYMBOLS, TRANSVERSE MARKINGS, WORDS, AND HOLDING BARS WILL BE RESTRIPED USING TAPE OR THERMOPLASTIC, AND THE REMAINDER OF THE PROJECT IN PAINT.
- 13. RAISED PAVEMENT MARKERS SHALL BE INSTALLED ON THE NEW PAVEMENT. ALL MARKERS SHALL BE INSTALLED PER ADOT STANDARD DETAIL NO. M-19. ALL MARKERS SHALL BE NON-ADHESIVE WITH AN ABRASIVE RESISTANT SURFACE. ALL MARKERS SHALL BE SECURED TO THE PAVEMENT WITH A HOT. FLEXIBLE MARKER ADHESIVE. ALL MARKERS SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- 14. WHERE RAISED PAVEMENT MARKERS ARE PLACED ALONG SOLID STRIPING. THE NEAREST EDGE OF EACH MARKER SHALL BE OFFSET NO LESS THAN 4 INCHES AND NO MORE THAN 6 INCHES FROM THE NEAREST EDGE OF THE STRIPING.
- 15. ALL SYMBOLS SHALL BE USING A MELT-IN-PLACE PREFORMED THERMOPLASTIC TAPE (MANUFACTURED BY ZUMAR INDUSTRIES, INC. OR AN APPROVED EQUAL)
- 16. ALL TRANSVERSE MARKINGS SHALL BE 90-MIL (0.090in) THICK ALKYD THERMOPLASTIC REFLECTORIZED MARKING.
- 17. ALL 8 INCH WIDTH HOLDING BARS SHALL BE 60 MIL (0.060in) THICK ALKYD THERMOPLASTIC, REFLECTORIZED MARKING.
- 18. ALL PERMANENT PAVEMENT MARKING LINES PARALLEL TO THE FLOW OF TRAFFIC SHALL BE INSTALLED AT A MINIMUM THICKNESS OF 15 MILLS AND SHALL BE PLACED IN ACCORDANCE WITH ADOT SECTION 708 - PERMANENT PAVEMENT MARKINGS.
- 19. WHEN STRIPING OBLITERATION IS NECESSARY, IT SHALL BE ACCOMPLISHED BY WATER-BLASTING (OTHER METHODS MAY BE ALLOWED WITH PRIOR APPROVAL OF THE TOWN TRAFFIC ENGINEER).
- 20. A SEALANT APPROVED BY THE TOWN TRAFFIC ENGINEER SHALL BE PROVIDED AND APPLIED BY THE CONTRACTOR TO ALL AREAS OF STRIPE OBLITERATION. APPLYING PAINT OVER STRIPING DOES NOT CONSTITUTE STRIPE OBLITERATION. STRIPING OBLITERATION MAY GO BEYOND PROJECT LIMITS, SO THAT THE NEW STRIPING WILL MATCH EXISTING STRIPING.
- 21. MEDIAN ENDS AND ISLANDS SHALL BE MARKED IN ACCORDANCE WITH THE TOG STD DETAIL 304A AND 304B.
- 22. ALL SIGNING AND STRIPING SHALL BE INSTALLED WITHIN 5 DAYS OF COMPLETION OF THE FINAL LIFT OF ASPHALT OR AS REQUIRED BY THE ENGINEER.

- 23. SHOULD FIELD CONDITIONS CHANGE DUE TO CONSTRUCTION ON ADJACENT PIECES OF ROADWAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE TOWN OF GILBERT TRAFFIC ENGINEER AT 480-503-6186 AND WILL BE REQUIRED TO SUBMIT FOR REVIEW AN UPDATED STRIPING PLAN 21 DAYS PRIOR TO PAVING. THE CONTRACTOR MAY BE REQUIRED TO RESTRIPE, STRIPE, AND DESIGN STRIPING FOR ADJACENT PORTIONS OF ROADWAY THAT ARE AFFECTED BY THEIR CONSTRUCTION. ANY CHANGES, ADDITIONS, OR DELETIONS WILL BE ACCOMPLISHED BY THE CONTRACTOR AT THEIR EXPENSE.
- 24. THE GENERAL CONTRACTOR OR SUB-CONTRACTOR INSTALLING PAVEMENT MARKINGS WITHIN THE TOWN'S RIGHT-OF-WAY ARE REQUIRED TO OBTAIN A PERMIT 15 DAYS PRIOR TO ANY INSTALLATION. PERMIT APPLICATIONS CAN BE OBTAINED FROM THE DEVELOPMENT SERVICES LOCATED AT 90 E. CIVIC CENTER DR, GILBERT, AZ 85296, OR BY CALLING 480-503-6700.





CONSOLIDATED CANAL BRIDGE REPAIRS STR. NO. 9118

LEGEND & NOTES - 2

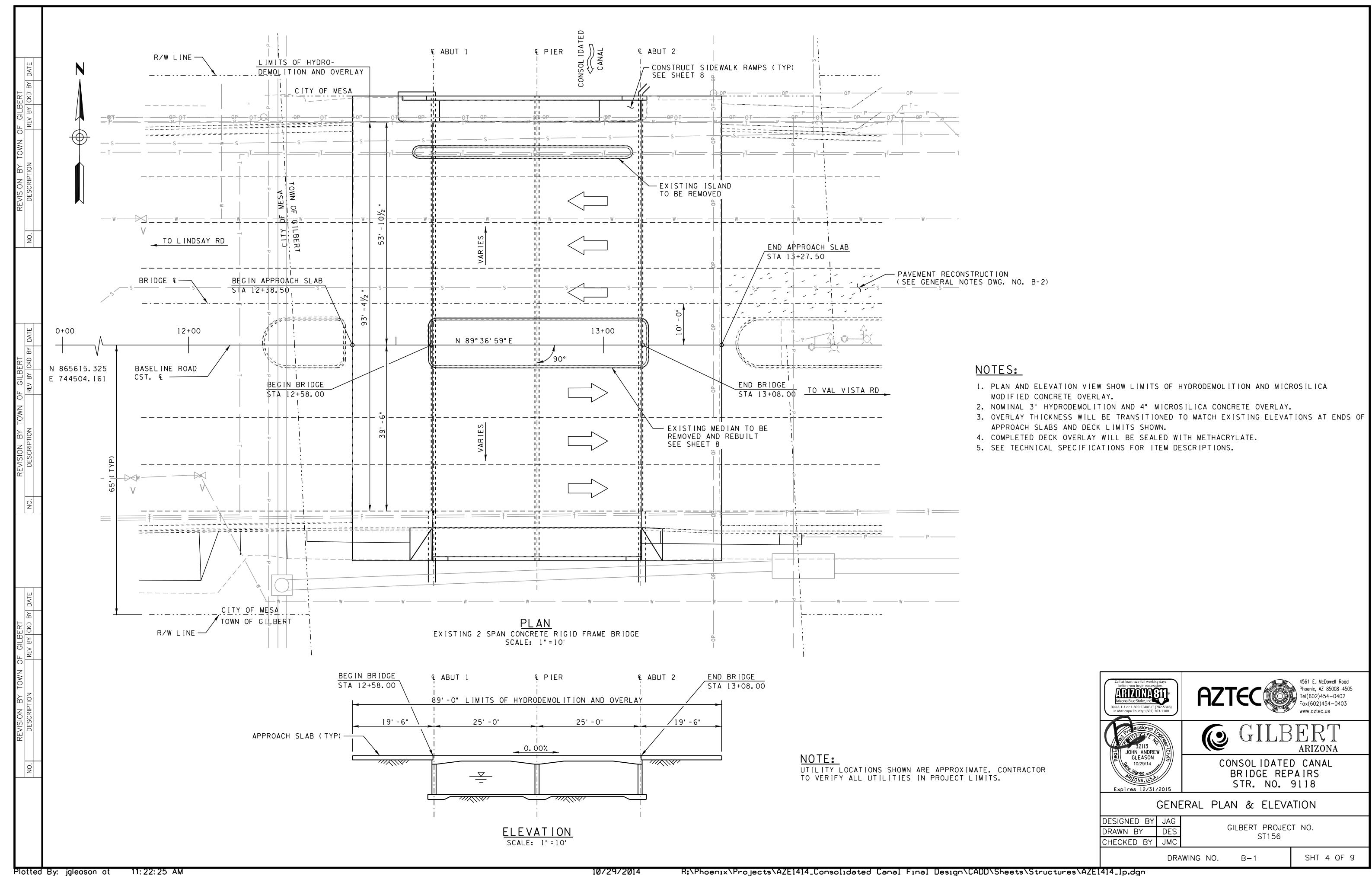
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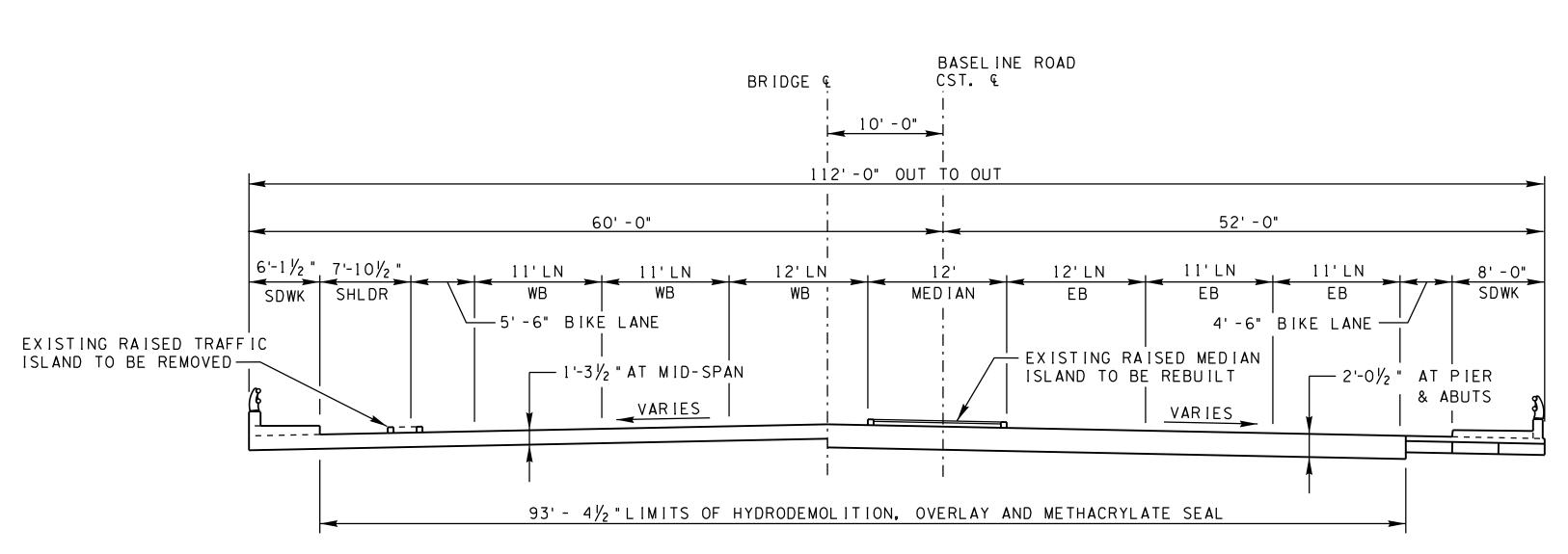
GILBERT PROJECT NO. ST156

DRAWING NO. C-3

4561 E. McDowell Road

ARIZONA





TYPICAL SECTION (LOOKING UPSTATION) SCALE: 1/8 " = 1' - 0"

APPROXIMATE QUANTITIES							
ITEM	HYDRODEMOLITION CLASS I REMOVAL SQ FT	MICROSILICA MODIFIED CONCRETE CU YD	BRIDGE DECK SEAL TREATMENT SQ YD				
SUPERSTRUCTURE	8350	102	930				
TOTAL AS BUILT	8350	102	930				

PAVEMENT RECONSTRUCTION _____ 1 LS

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS -

CONSTRUCTION SPECIFICATIONS FOR THE BRIDGE SHALL BE IN ACCORDANCE WITH THE ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 2008, U.N.O. CONSTRUCTION SPECIFICATIONS FOR ALL OTHER PORTIONS OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION, 2012 WITH REVISION TO 2014.

IN CASE OF DISCREPANCY, OR CONFLCIT, THE PRECEDENCE OF DOCUMENTS SHALL BE AS FOLLOWS:

- A. SUPPLEMENTARY AGREEMENTS AND THE TECHNICAL SPECIFICATIONS.
- B. THE PROJECT PLANS.
- C. ADOT STANDARD SPECIFICATIONS
- D. MAG UNIFORM STANDARD SPECIFCATIONS AND DETAILS.

DESIGN SPECIFICATIONS -

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION 2012, WITH 2013 INTERIM REVISIONS.

ALL CONCRETE SHALL BE CLASS "S", UNLESS NOTED OTHERWISE.

REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615.

ALL REINFORCING STEEL SHALL BE FURNISHED AS GRADE 60.

ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF AASHTO ARTICLE 5.10.2 UNLESS NOTED OTHERWISE. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS, UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL HAVE 2" CLEAR COVER, UNLESS NOTED OTHERWISE. STRENGTHS:

CLASS 'S' CONCRETE (DECK) F'C = 4500 PSI

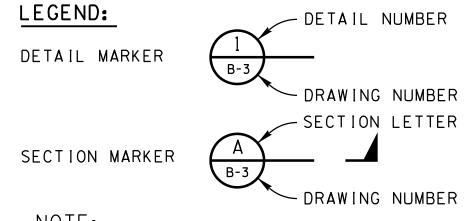
GRADE 60 REINFORCING STEEL FS = 24000 PSI CHAMFER ALL EXPOSED CORNERS $\frac{3}{4}$ ", UNLESS NOTED OTHERWISE.

DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWINGS.

THE EXISTING BRIDGE WAS CONSTRUCTED IN 1973 BY THE MARICOPA COUNTY HIGHWAY DEPARTMENT UNDER PROJECT NO. 02200.

PAVEMENT RECONSTRUCTION NOTES:

- 1. THE CONTRACTOR WILL RECONSTRUCT A SECTION OF PAVEMENT LOCATED BETWEEN STATIONS 13+27.50 AND 15+00 AND FROM 6.5 FT LEFT OF CST. & TO 18.5 LEFT OF CST. &.
- 2. THE WORK WILL INCLUDE SAWCUT AND REMOVAL OF PAVEMENT, EXCAVATION AND RECOMPACTION OF SUBGRADE TO A DEPTH OF 4 FEET BELOW EXISTING GRADE, AND PLACEMENT OF ASPHALT PAVEMENT AND RESTORATION OF PAVMENT MARKINGS.
- 3. THE WORK WILL BE MEASURED AND PAID AS A LUMP SUM. SEE TECHNICAL SPECIFICATIONS AND SHEET 8.



NOTE:

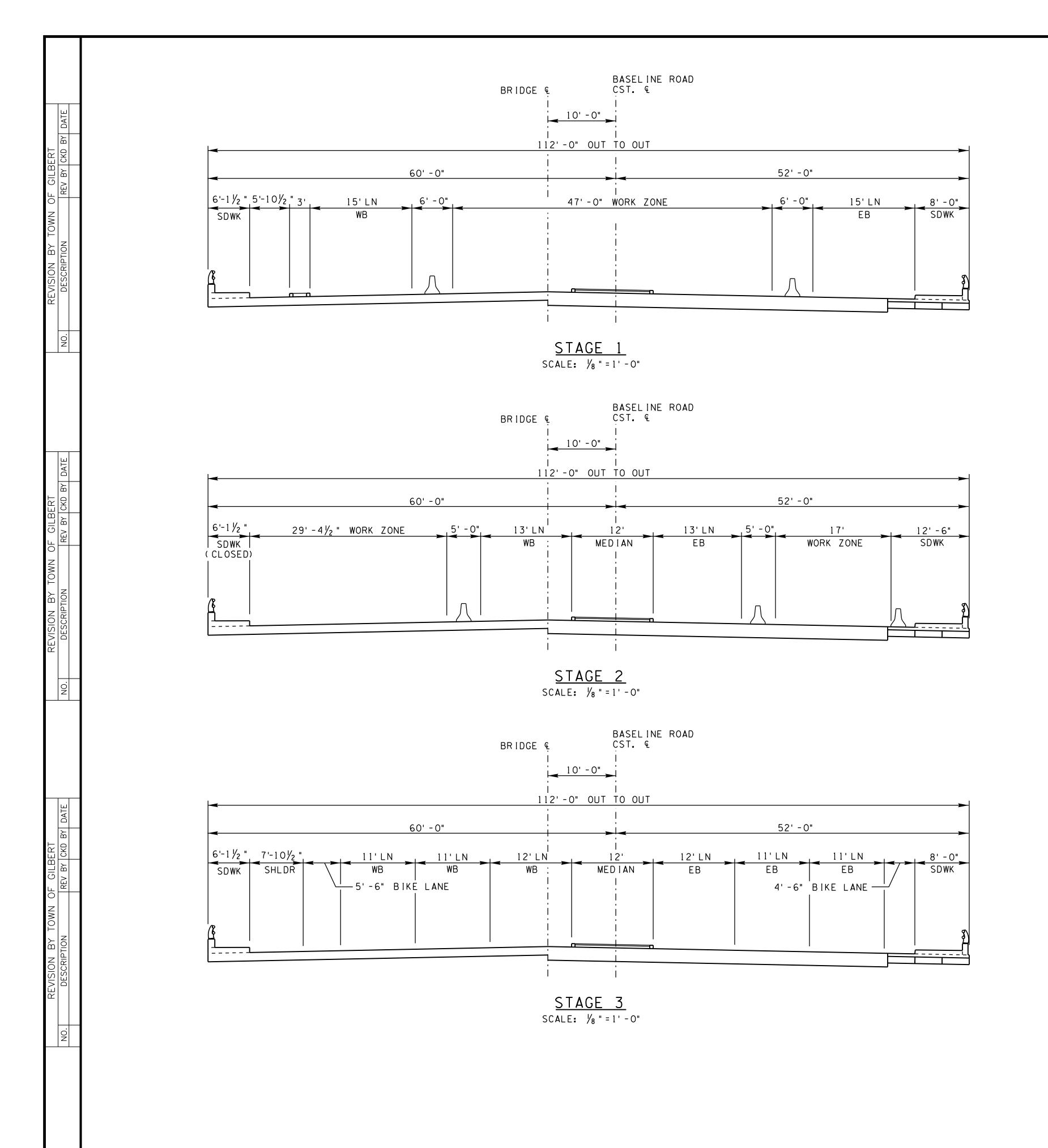
A LINE (---) IN PLACE OF THE DRAWING NUMBER INDICATES THAT THE SECTION OR DETAIL IS LOCATED ON THE SAME DRAWING FROM WHICH THE SECTION OR DETAIL IS CUT.



TYPICAL SECTION, NOTES & QUANTITIES

DESIGNED BY JAG GILBERT PROJECT NO. DES DRAWN BY ST156 CHECKED BY JMC

> SHT 5 OF 9 DRAWING NO. B-2



STAGING NOTES:

STAGE 1:

TRAFFIC WILL BE CONFINED TO ONE EB AND ONE WB LANE
SIDEWALKS WILL REMAIN OPEN FOR PEDESTRIAN ACCESS.
HERITAGE TRAIL WILL BE CLOSED. SIGNING WILL BE PLACED AT GUADALUPE AND SOUTHERN
NOTIFYING TRAIL USERS OF CLOSURE.
CONTRACTOR TO REMOVE MEDIAN ISLAND, HYDRODEMOLISH DECK, CONSTRUCT OVERLAY, REBUILD MEDIAN,
AND SEAL DECK.
PAVEMENT RECONSTRUCTION WORK WILL BE CONDUCTED IN THIS STAGE.

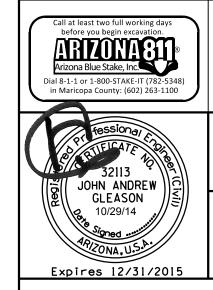
STAGE 2:

TRAFFIC WILL BE SHIFTED TO THE COMPLETED INSIDE WITH 1 EB AND 1 WB LANE IN EACH DIRECTION. PEDESTRIAN ACCESS WILL BE RESTRICTED TO THE SIDEWALK ON THE SOUTH SIDE (EB) OF THE BRIDGE AND CONTRACTOR WILL CONSTRUCT NEW SIDEWALK RAMPS ON THE (WB) NORTH SIDE OF THE BRIDGE. HERITAGE TRAIL WILL REMAIN CLOSED.

CONTRACTOR TO HYDRODEMOLISH DECK, CONSTRUCT OVERLAY, AND SEAL DECK.

STAGE 3:

ALL PAVEMENT AND TRAIL MARKINGS WILL BE RESTORED.
BRIDGE OPENED TO FULL TRAFFIC.







CONSOLIDATED CANAL BRIDGE REPAIRS STR. NO. 9118

CONSTRUCTION STAGING

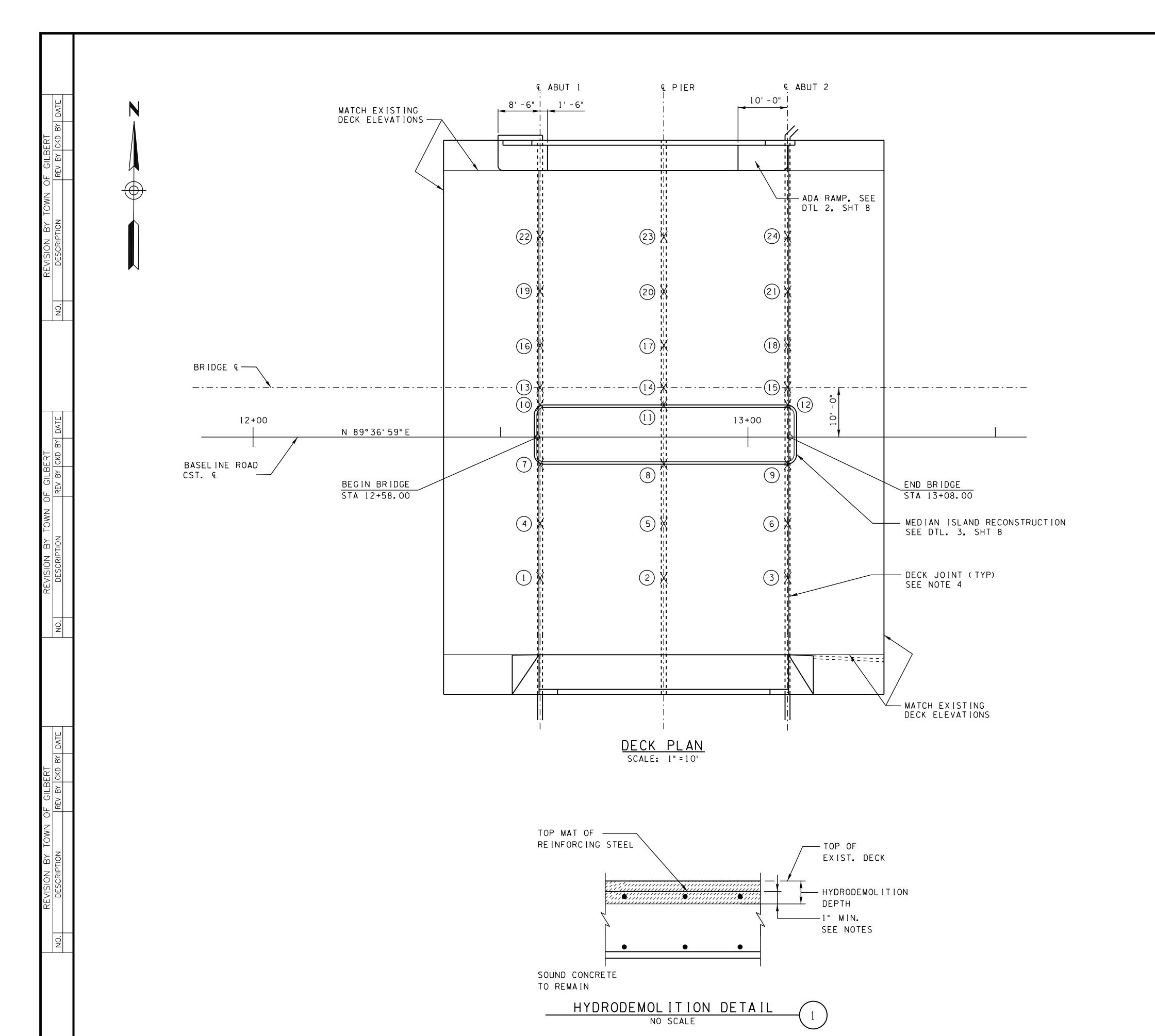
DESIGNED BY JAG
DRAWN BY DES
GILBERT PROJECT NO.

CHECKED BY JMC ST156

B-3

DRAWING NO.

SHT 6 OF 9



10/29/2014

Plotted By: jgleason at

12: 22: 22 PM

	DECK	ELEVATION	TABLE	
POINT	STATION ALONG CST. &	LOCATION	EXISTING ELEVATION	SCREED ELEVATION
1	12+58.00	27.5 FT RT	1252.09	1252.16
2	12+83.00		1252.11	1252.16
3	13+08.00		1252.18	1252.16
4	12+58.00	16.5 FT RT	1252.21	1252.30
5	12+83.00		1252.21	1252.30
6	13+08.00		1252.32	1252.30
7	12+58.00	4.5 FT RT	1252.34	1252.44
8	12+83.00		1252.37	1252.44
9	13+08.00		1252.42	1252.44
10	12+58.00	7.5 FT LT	1252.49	1252.58
11	12+83.00		1252.47	1252.58
12	13+08.00		1252.56	1252.58
13	12+58.00	11.0 FT LT	1252.53	1252.63
14	12+83.00		1252.47	1252.63
15	13+08.00		1252.55	1252.63
16	12+58.00	19.0 FT LT	1252.44	1252.53
17	12+83.00		1252.43	1252.53
18	13+08.00		1252.48	1252.53
19	12+58.00	30.0 FT LT	1252.25	1252.39
20	12+83.00		1252.29	1252.39
21	13+08.00		1252.30	1252.39
22	12+58.00	41.0 FT LT	1252.19	1252.25
23	12+83.00		1252.19	1252.25
24	13+08.00		1252.17	1252.25

NOTE: SCREED ELEVATION DOES NOT INCLUDE ALLOWANCE FOR DEAD LOAD DEFLECTION

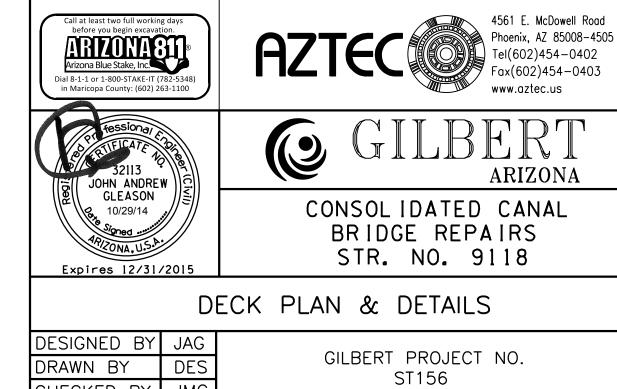
NOTES:

- 1. HYDRODEMOLITION TO EXTEND A MINIMUM OF 1 INCH BELOW THE TOP
- MAT OF REINFORCING STEEL OR TO SOUND CONCRETE, WHICHEVER IS DEEPER.

 2. CONTRACTOR TO SUBMIT TO THE ENGINEER FOR APPROVAL A
- DETAILED PLAN FOR REMOVAL THAT INCLUDES PROPOSED EQUIPMENT, CONTAINMENT, PROVISIONS FOR REPAIR OF EXISTING REINFORCING STEEL AND FOR CONCRETE REMOVAL IN EXCESS OF ANTICIPATED.
- 3. HYDRODEMOLITION AND REPAIR PLAN TO BE SUBMITTED 10 WORKING DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES.

CHECKED BY JMC

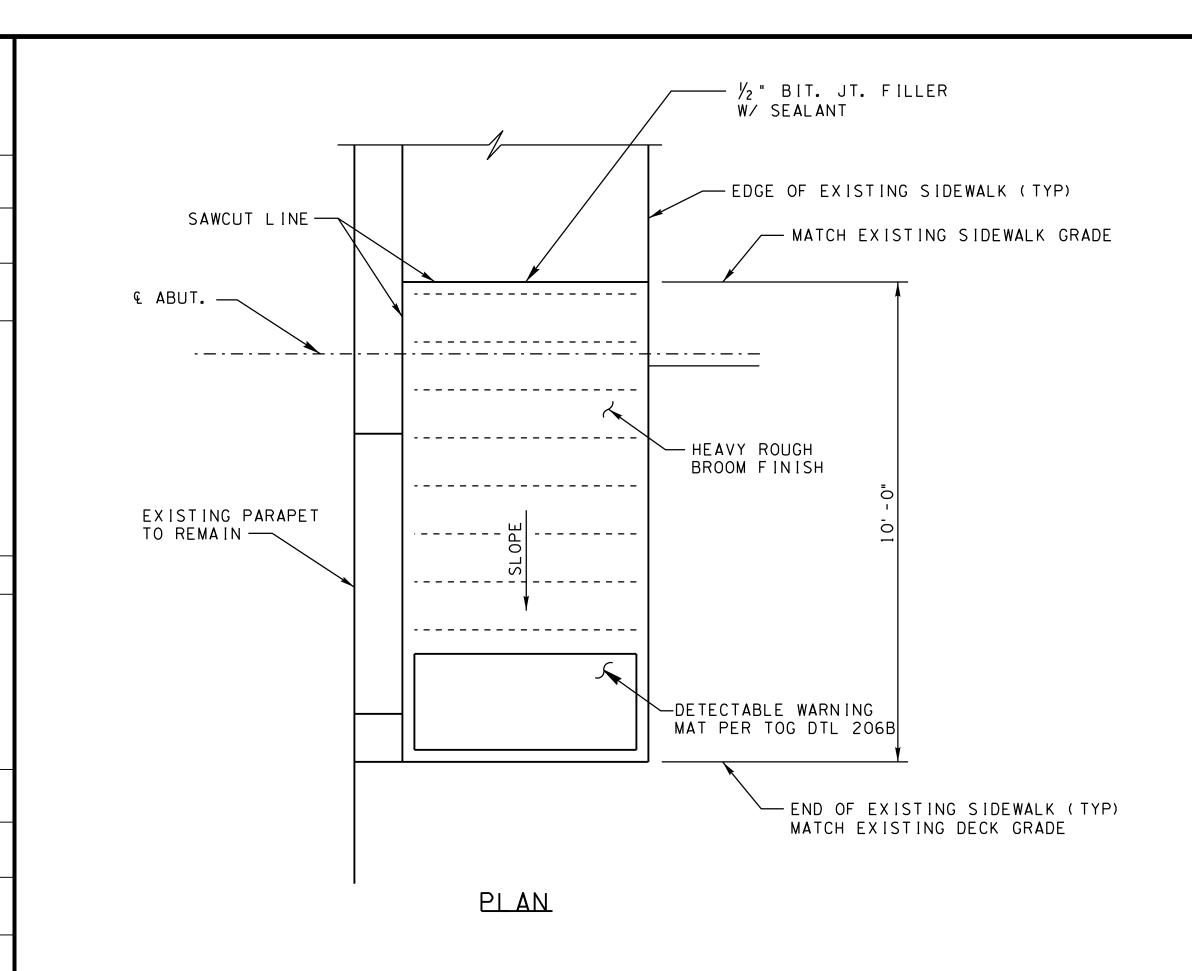
4. SAWCUT DECK JOINT TO A DEPTH OF 1-INCH AFTER OVERLAY HAS SET AND FILL WITH AN APPROVED SILICONE SEALANT.

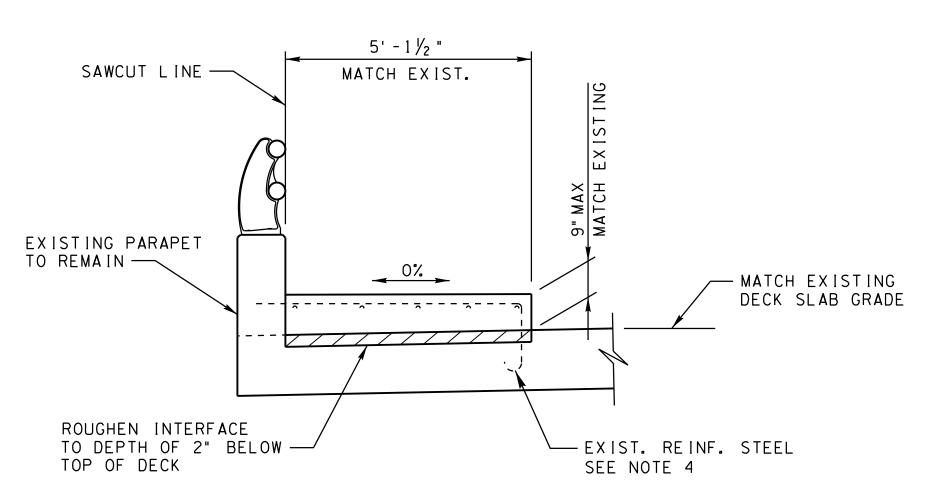


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DRAWING NO.

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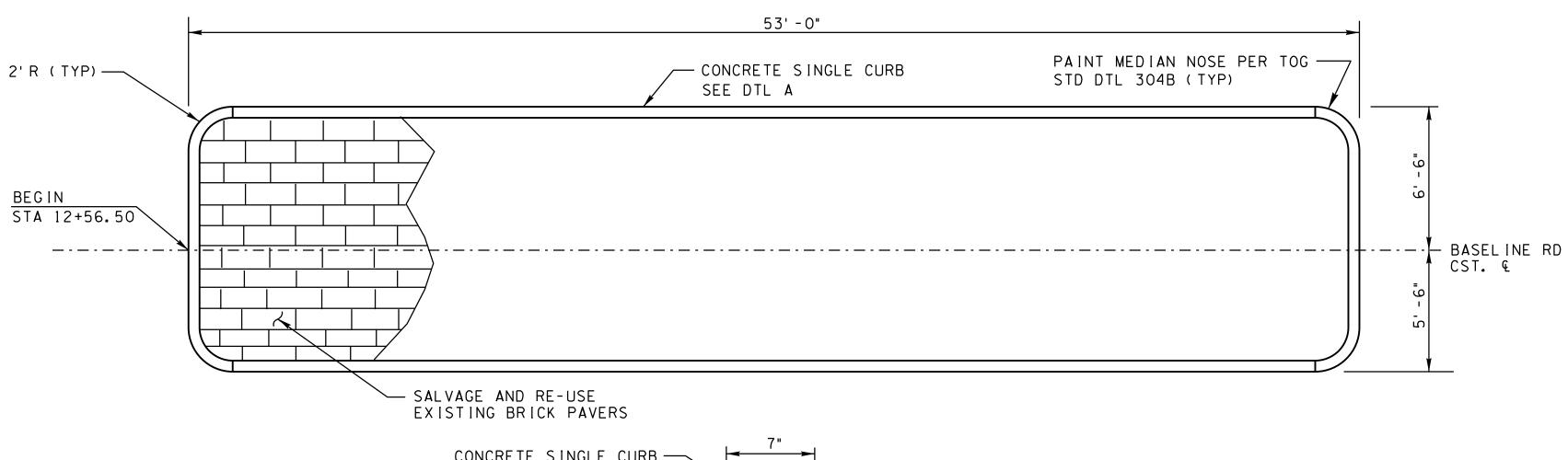


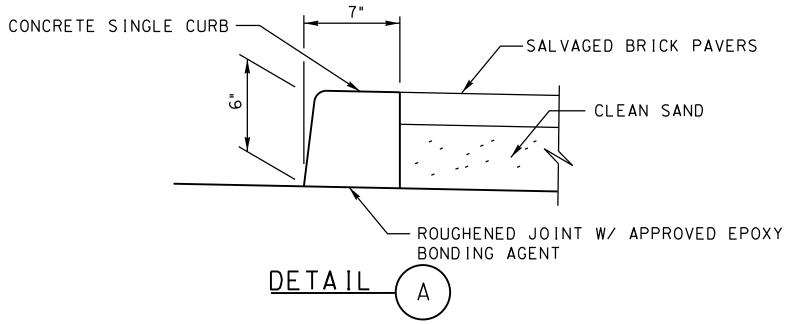
SECTION

NOTES:

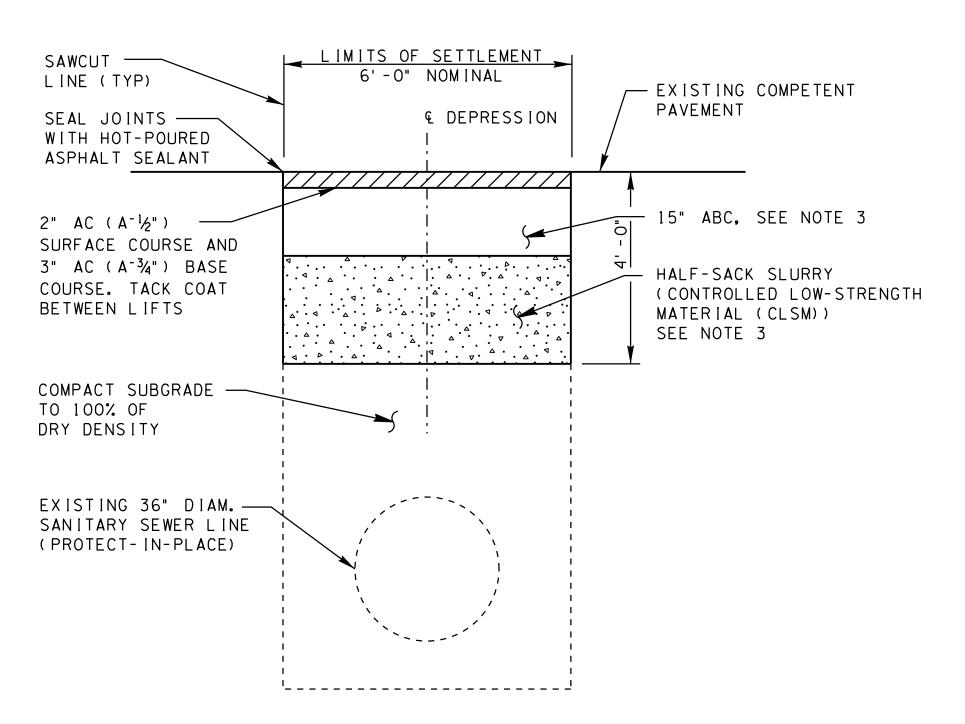
- 1. CONTRACTOR TO SAWCUT AND REMOVE THE END 10 FT OF EACH END OF THE EXISTING RAISED ON THE NORTH (WB) SIDE.
- 2. CONSTRUCT NEW RAMPS PER DETAILS SHOWN.
- 3. DETECTABLE WARNING MATS TO BE MEASURED AND PAID UNDER THE ITEM FOR CURB RAMPS.
- 4. EXISTING SIDEWALK REINFORCING STEEL TO BE REMOVED TO A DEPTH 1" BELOW CONCRETE SURFACE TO REMAIN. CUT ENDS WILL BE PAINTED WITH AN APPORVED EPOXY. DAMAGED AREAS OF PARAPET LEFT EXPOSED WILL BE PATCHED WITH AN APPROVED NON-METALLIC, NON-SHRINK GROUT.







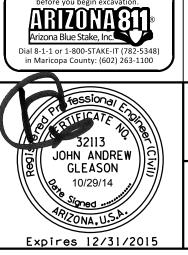




NOTES:

- 1. PAVEMENT RECONSTRUCTION WILL BE MEASURED AND PAID AS A LUMP SUM.
- PER DETAILS SHOWN AND THE TECHNICAL SPECIFICATIONS.
- 2. CONTRACTOR TO PROVIDE MATERIAL SUBMITTALS FOR REVIEW AND APPROVAL BY
- THE ENGINEER PRIOR TO BEGINNING THE WORK. 3. CONTRACTOR HAS THE OPTION TO BACKFILL WITH CLSM UP TO ASPHALT.

PAVEMENT RECONSTRUCTION DETAIL NO SCALE



DRAWN BY





CONSOLIDATED CANAL BRIDGE REPAIRS STR. NO. 9118

A Phoenix, AZ 85008-4505

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ARIZONA

MISCELLANEOUS DETAILS

DESIGNED BY JAG GILBERT PROJECT NO.

DES

ST156 CHECKED BY JMC

> SHT 8 OF 9 DRAWING NO. B-5

